

# OWNERS MANUAL



**Chore  
Performers**

**POWER  
SHREDDER**

**Model Number  
244-650-000  
24650L**

**Important:  
Read Safety Rules and  
Instructions Carefully**

Thank you for purchasing an  
American built product.

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## LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

### WARNING TO PURCHASERS OF INTERNAL COMBUSTION ENGINE EQUIPPED MACHINERY OR DEVICES IN THE STATE OF CALIFORNIA

The equipment which you have just purchased does not have a spark arrester. If this equipment is used on any forest covered land, brush covered land, or grass covered unimproved land in the State of California, before using on such land, the California law requires that a spark arrester be provided. In addition, spark arrester is required by law to be in effective working order. The spark arrester must be attached to the exhaust system and comply with Section 4442 of the California Public Resources Code.

## **IMPORTANT**

It is suggested that this manual be read in its entirety before attempting to assemble or operate. Keep this manual in a safe place for future reference and for ordering replacement parts.

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see separate engine manual for proper fuel and engine oil recommendations.

# **SAFE OPERATION PRACTICES FOR POWER SHREDDERS**

## **TRAINING**

1. The operator should become fully familiar with all of the different sections of this owner's manual before attempting to operate this equipment.
2. Children must never be allowed to operate this equipment.
3. This equipment should never be operated in the vicinity of children, pets or other persons.
4. Never run your machine in an enclosed area as the exhaust from the engine contains carbon monoxide, which is an odorless, tasteless and deadly poisonous gas.
5. Never allow your hands or any part of your body or clothing inside the feeding chamber, discharge chute, or near any moving part while the machine or engine is running.
6. If it is necessary for any reason to inspect or repair the feeding chamber or any part of the machine where a moving part can come in contact with your body or clothing, stop the machine, allow it to cool, and disconnect the spark plug wire from the spark plug before attempting such inspection or repair.
  - A. Inspect for damage.
  - B. Replace or repair any damaged parts.
  - C. Check for any loose parts and tighten to assure continued safe operation.
3. The engine must be kept clean of debris and other accumulations.
4. Do not allow an accumulation of processed material to build up in the discharge area as this will prevent proper discharge and can result in kick-back from feed opening.
5. Never allow your hands or any other part of your body or clothing inside the feeding chamber, discharge chute or near any moving part while the engine is running.
6. Keep all guards and deflectors in place and in good working condition to assure continued safe operation.
7. Always stand clear of the discharge area when operating this machine.
8. Keep your face and body back from the feed opening to avoid accidental bounce back of any material.
9. Do not over-reach. Keep proper balance and footing at all times.
10. The engine governor settings on your machine must not be altered, changed, or tampered with. The governor controls the maximum safe operating speeds and protects the engine and all moving parts from damage caused by overspeed.
11. Do not transport machine while engine is running.

## **PREPARATION**

1. It is recommended that the operator of this equipment obtain and wear safety glasses at all times while operating the machine.
2. Wear proper apparel. Avoid wearing loose fitting clothing.
3. This machine should be operated only upon an earthen level surface.
4. Assure that all screws, nuts and bolts and other fasteners are properly secured.

## **OPERATION**

1. When feeding shreddable material into this equipment, be extremely careful that pieces of metal, rocks, bottles, cans or other foreign objects are not included.
2. If the cutting mechanism strikes any foreign object or if your machine should start making an unusual noise or vibration, immediately stop the engine and disconnect the spark plug wire from the spark plug. Allow the machine to stop and take the following steps:

## **MAINTENANCE AND STORAGE**

1. When this equipment is stopped for servicing, inspection, storage or to change an accessory, make sure the spark plug wire is disconnected from the spark plug. The machine should be allowed to cool down before making such inspection, adjustments, service, etc. Maintain your machine with care and keep it clean for the best and continued safe operation.
2. When not in use, your machine should be stored out of the reach of children. Keep where gasoline fumes will not reach an open flame or spark. For long periods of storage, the gasoline should be drained and disposed in a safe manner. Always allow the machine to cool before storing in any enclosure.

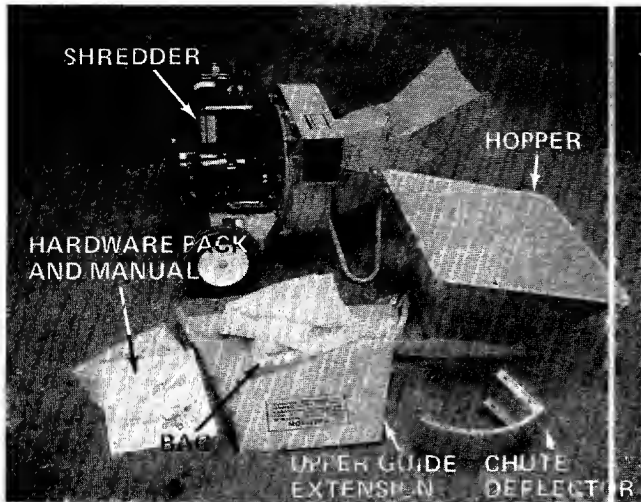


The right and left side of your shredder is determined from operator's position.

## ASSEMBLY INSTRUCTIONS

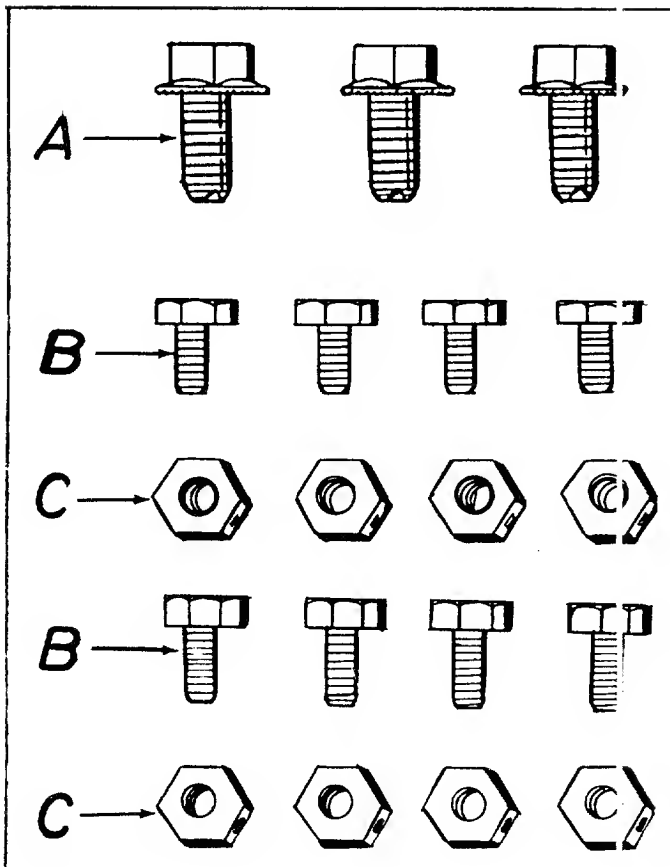
### TOOLS REQUIRED FOR ASSEMBLY

1. (1) 7/16" Open End or Box Wrench
2. (1) 1/2" Open End or Box Wrench
3. (1) Adjustable Wrench



1. Remove the shredder, hardware pack and all parts and literature from the carton before discarding carton.

FIGURE 1



### CONTENTS OF HARDWARE PACK

- A (3) Hex washer head self-tapping screws
- B (8) Hex screws 1/4-20 x 1/2" long
- C (8) Hex center lock nuts 1/4-20 thread

FIGURE 2

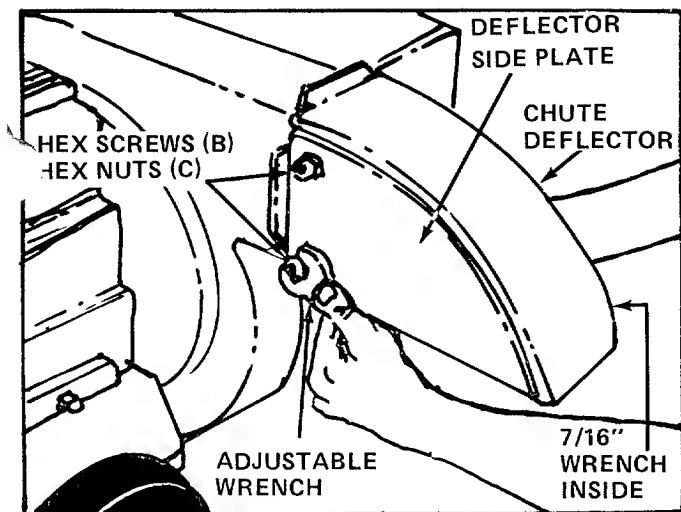


FIGURE 3

2. Place the chute deflector and deflector side plates in position on the left hand side of shredder.
3. Secure with four hex screws (B) and hex center lock nuts (C). Heads of screws are assembled from the inside. Nuts go on the outside. Start all four screws and nuts, then tighten with an adjustable wrench and 7/16" wrench. See figure 3.

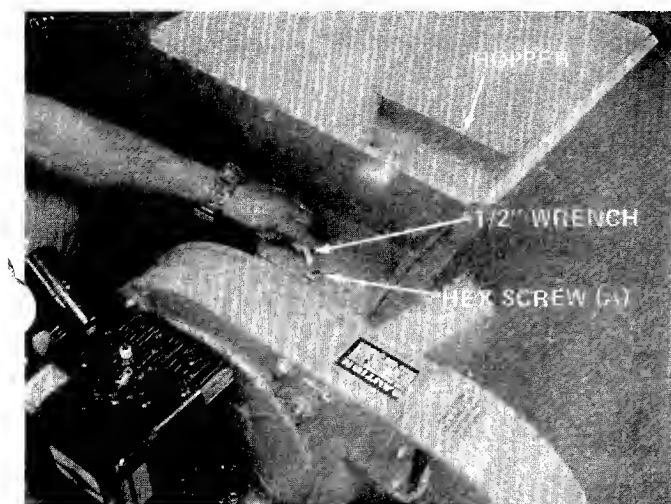


FIGURE 4

4. Place the hopper on the shredder. Start all three self-tapping screws (A) by hand, then tighten with a 1/2" wrench. See figure 4.

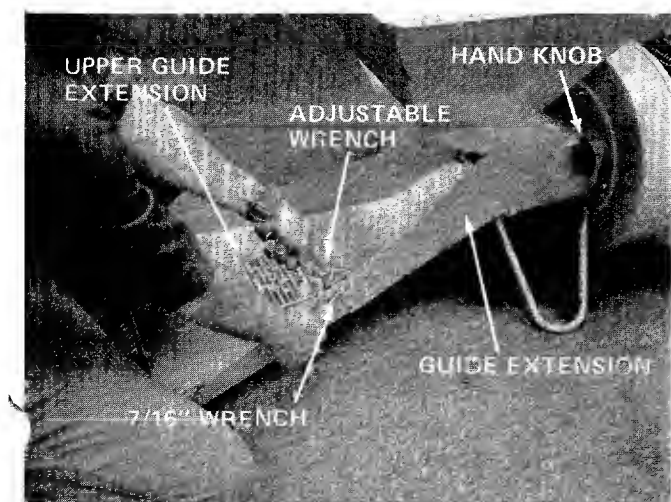


FIGURE 5

5. Loosen the hand knob on the right hand side of the shredder. See figure 5.
6. Place upper guide extension in place on guide extension. Secure with four hex screws (B) and hex center lock nuts (C). A 7/16" wrench and adjustable wrench are required. See figure 5.

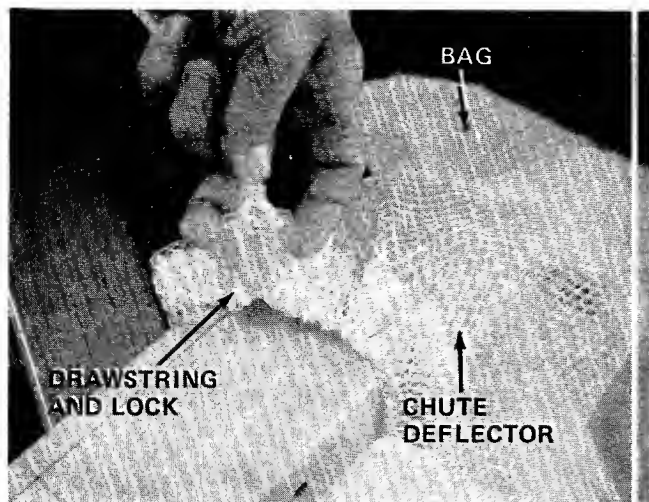


FIGURE 6

- ← 7. Place the bag over the chute deflector. Pull on the drawstring and lock. See figure 6.

## OPERATION

### BEFORE STARTING ENGINE

1. Fill fuel tank with fresh regular gasoline. Do Not mix oil with gasoline.
2. Fill crankcase with oil. Refer to separate engine manual packed with your shredder.

### TO START ENGINE

#### Tecumseh Engine

1. Place control lever (on engine) in "RUN" position. See figure 7.
2. For cold engine start, move carburetor control to "CHOKE" position. See figure 7.



**NOTE**

A warm engine may not require choking.

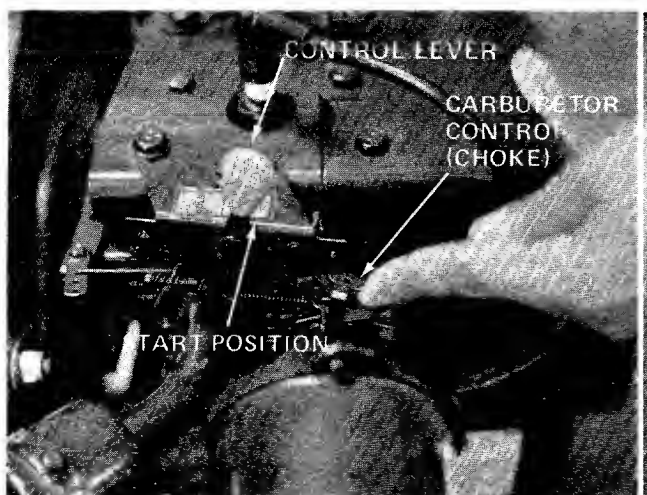


FIGURE 7 - TECUMSEH ENGINE

3. Pull rewind starter using a quick, full arm stroke. Keep a firm grip on the handle. Return rope slowly.
4. After engine starts, move choke lever on carburetor gradually to "OFF" position.

#### Briggs and Stratton Engine

1. Place control lever (on engine) in "CHOKE" position. See figure 7A.



**NOTE**

A warm engine may not require choking. Simply place control lever in "RUN" Position.



FIGURE 7A - BRIGGS AND STRATTON ENGINE

2. Pull rewind starter using a quick, full arm stroke. Keep a firm grip on the handle. Return rope slowly.
3. After engine starts, move control lever gradually to "RUN" position.



## TO STOP ENGINE

1. Move control lever to "STOP" position. See figure 8.
2. Remove high tension wire from spark plug to prevent accidental starting while equipment is unattended.

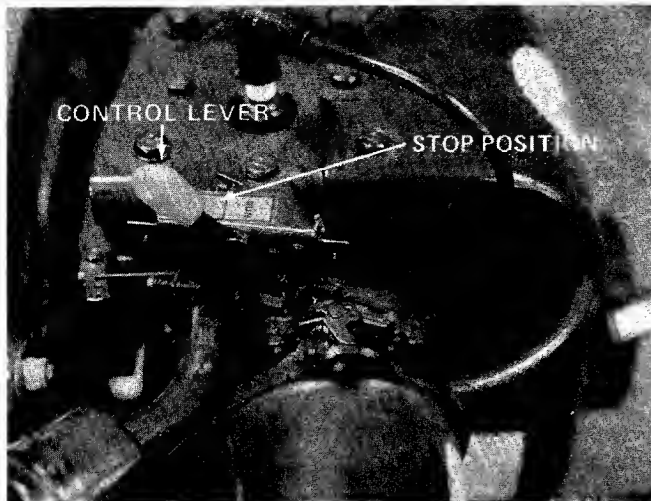


FIGURE 8 - TECUMSEH ENGINE

Your shredder is designed for safe, efficient operation. CARE MUST BE EXERCISED THAT HANDS AND FEET ARE KEPT AWAY FROM ALL OPENINGS.



The manufacturer recommends that the operator wear safety glasses or some other suitable eye protection as it is possible for chips to be ejected out of the inlet openings while feeding material.

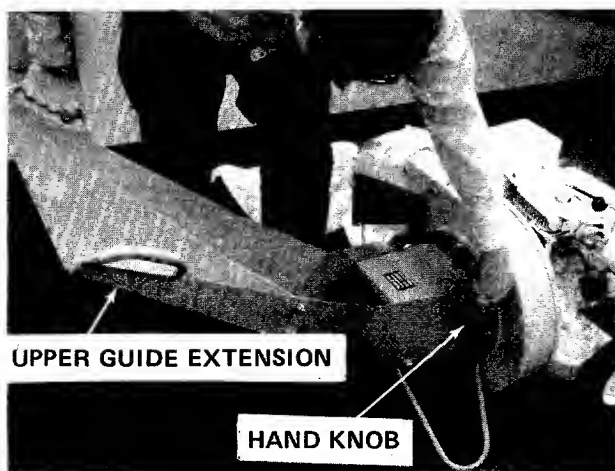


FIGURE 9. UPPER GUIDE EXTENSION ADJUSTMENT.

Your shredder upper guide extension is adjustable. It may be adjusted to desired height by loosening the hand knob as shown in figure 9. Upper guide extension can be raised to close opening if hopper is not installed.

Feed the material so that it slides down upper guide extension. See figure 10.

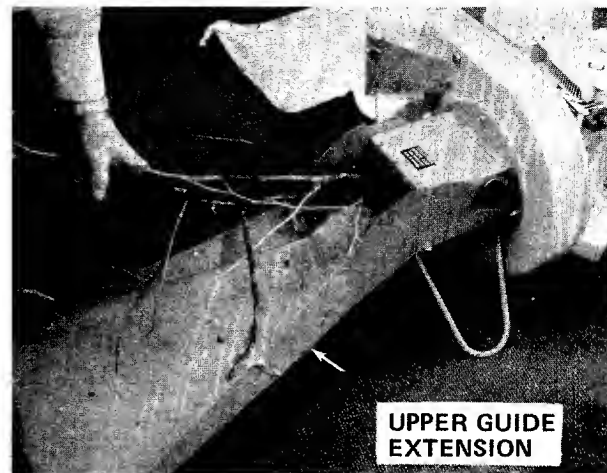


FIGURE 10. FEEDING MATERIAL INTO UPPER GUIDE EXTENSION

Leaves and small twigs can be raked into the upper guide extension when the upper guide extension is lowered. See figure 11.

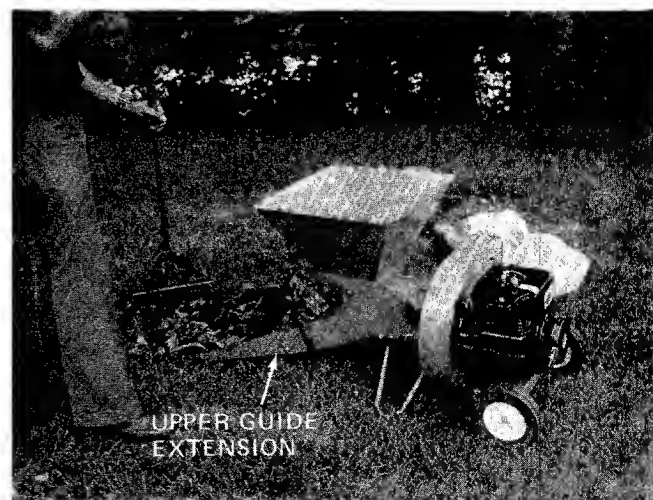
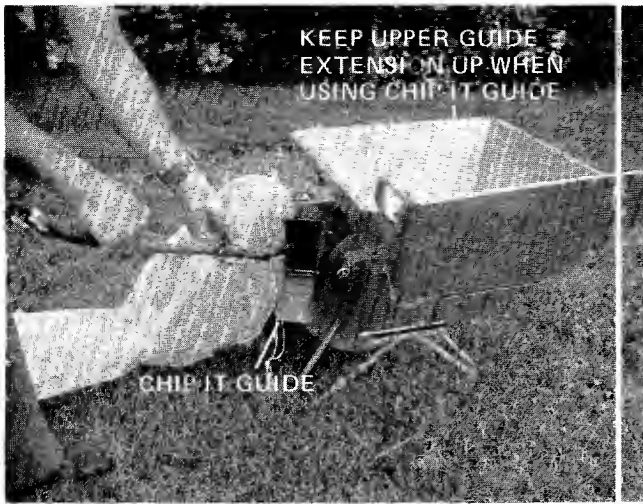


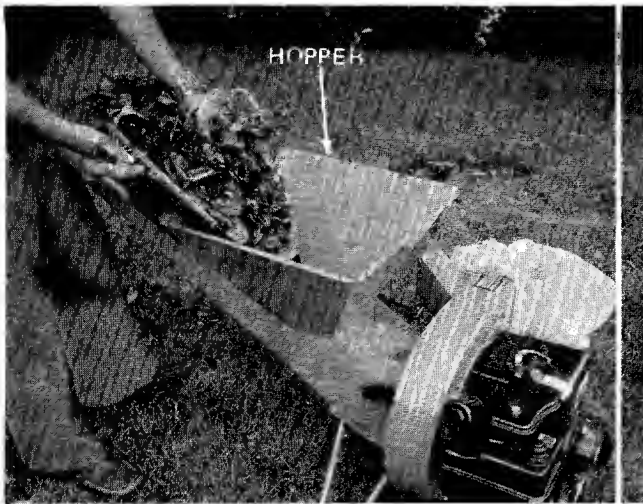
FIGURE 11. RAKING LEAVES AND TWIGS INTO UPPER GUIDE EXTENSION

Bulky material, such as stalks or heavy branches, should be fed into the chip-it guide extension. See figure 12. Do not force or jam material into the chip-it guide.

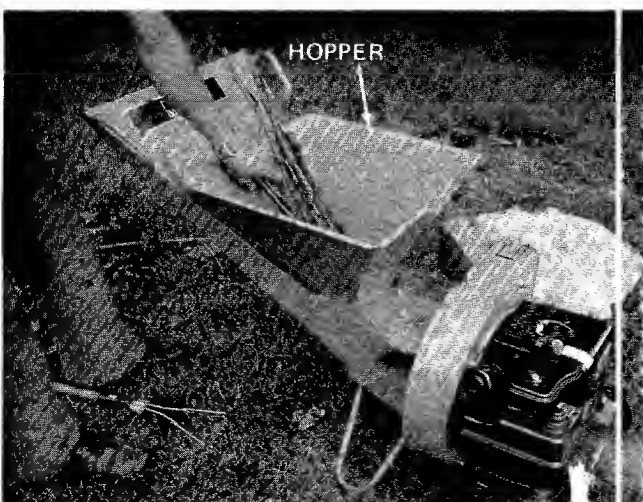


**FIGURE 12. FEEDING MATERIAL INTO CHIP-IT GUIDE**

Leaves and smaller branches can be fed into the hopper. See figures 13 and 14.



**FIGURE 13. FEEDING MATERIAL INTO HOPPER**



**FIGURE 14. FEEDING MATERIAL INTO HOPPER**

## **CAUTION**

Do not deposit material larger than 1/2" diameter in hopper. This may cause damage to the shredding mechanism. Any material heavier than 1/2" should be fed into the chip-it guide extension. See figure 12.

It is possible to feed too fast. It will take some experimenting with feeding rates to get the most out of your shredder without stalling the engine. Rotate the material. A steady flow of material provides the best results.

Under certain conditions, it may be necessary to push the materials into the inlet guide assembly. When this becomes necessary, use a small diameter stick -- **NOT YOUR HANDS**. The stick should be of a size that will be ground up if it gets into the impeller assembly.

The discharge chute will direct the shredded material into a pile, a container or the bag.

## **NOTE**

Your shredder is equipped with a nylon bag with drawstring lock. This will accommodate a perforated disposable plastic bag.

## **CAUTION**

Keep away from the chute area since the shredded material comes out with considerable velocity. Always stop engine and disconnect spark plug wire when changing bags.

## **ADJUSTMENTS**



If any adjustments are made to the engine while the engine is running (e.g. carburetor), keep clear of all moving parts. Be careful of heated surfaces and muffler.

### **CARBURETOR ADJUSTMENTS**

Do not make unnecessary adjustment. Factory settings are correct for most applications. If adjustments are needed, refer to the engine manual packed with your shredder.



## LUBRICATION

**WHEELS** - The wheels require no lubrication.

**ENGINE** - Follow engine manual for lubrication instructions.

## MAINTENANCE



### CAUTION

Always stop engine and disconnect spark plug wire before performing any maintenance.

### CUTTING BLADE

The blade may easily be removed for grinding or replacement as follows:

1. Remove guide extension assembly by removing four elastic lock nuts (Ref. No. 11). See page 10.
2. Remove bolt (Ref. No. 38), lock washer (Ref. No. 37) flat washer (Ref. No. 36) which holds blade (Ref. No. 45), and blade retainer (Ref. No. 48) to engine crankshaft. See page 10.



### NOTE

Blade is reversible and can be assembled to crankshaft with either side showing.

When sharpening blade, follow the original angle of grind as a guide. It is extremely important that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds and may cause damage to the unit. Upon reassembly, make certain all parts are assembled properly and tightened securely.

### FLAILS AND FINGERS

The flails and fingers can be reversed when they become dull.

### ENGINE OIL

1. Change oil in crankcase after first two (2) hours of operation. Then change oil every twenty-five (25) operating hours or sooner if equipment is operated in extremely dusty or dirty conditions.

Unscrew oil drain plug located on the side at the bottom of the engine (see figure 15). Always tip engine towards oil drain hole. Be sure oil drains completely.

Replace oil drain plug and refill with oil as directed on page 6.



FIGURE 15

2. Check oil every five (5) operating hours or each time equipment is used. Add oil as necessary to keep level full to point of overflowing.

### CLEAN ENGINE

Clean cylinder fins and underside of tank or housing thoroughly of all accumulated grass and debris. This is an aircooled engine which operates most efficiently when the cooling fins are clean.

### AIR CLEANER

The air cleaner prevents damaging dirt, dust, etc. from entering the carburetor and being forced into the engine and is important to engine life and performance.

To service air cleaner, refer to the engine manual packed with the shredder.

**NEVER RUN YOUR ENGINE WITHOUT AIR CLEANER COMPLETELY ASSEMBLED.**

## OFF-SEASON STORAGE

In event engine is to be stored for any length of time (30 days or more), prepare as follows:

1. Drain gasoline by tipping or syphon hose, then run engine until remainder is used and tank and carburetor are empty.



### CAUTION

Drain gasoline into container outdoors, away from fire or flame.

2. Protect the inside of engine for storage by removing spark plug and pouring one ounce of SAE 30 oil through spark plug hole into cylinder. Crank engine, without starting, several times to spread oil over cylinder walls.

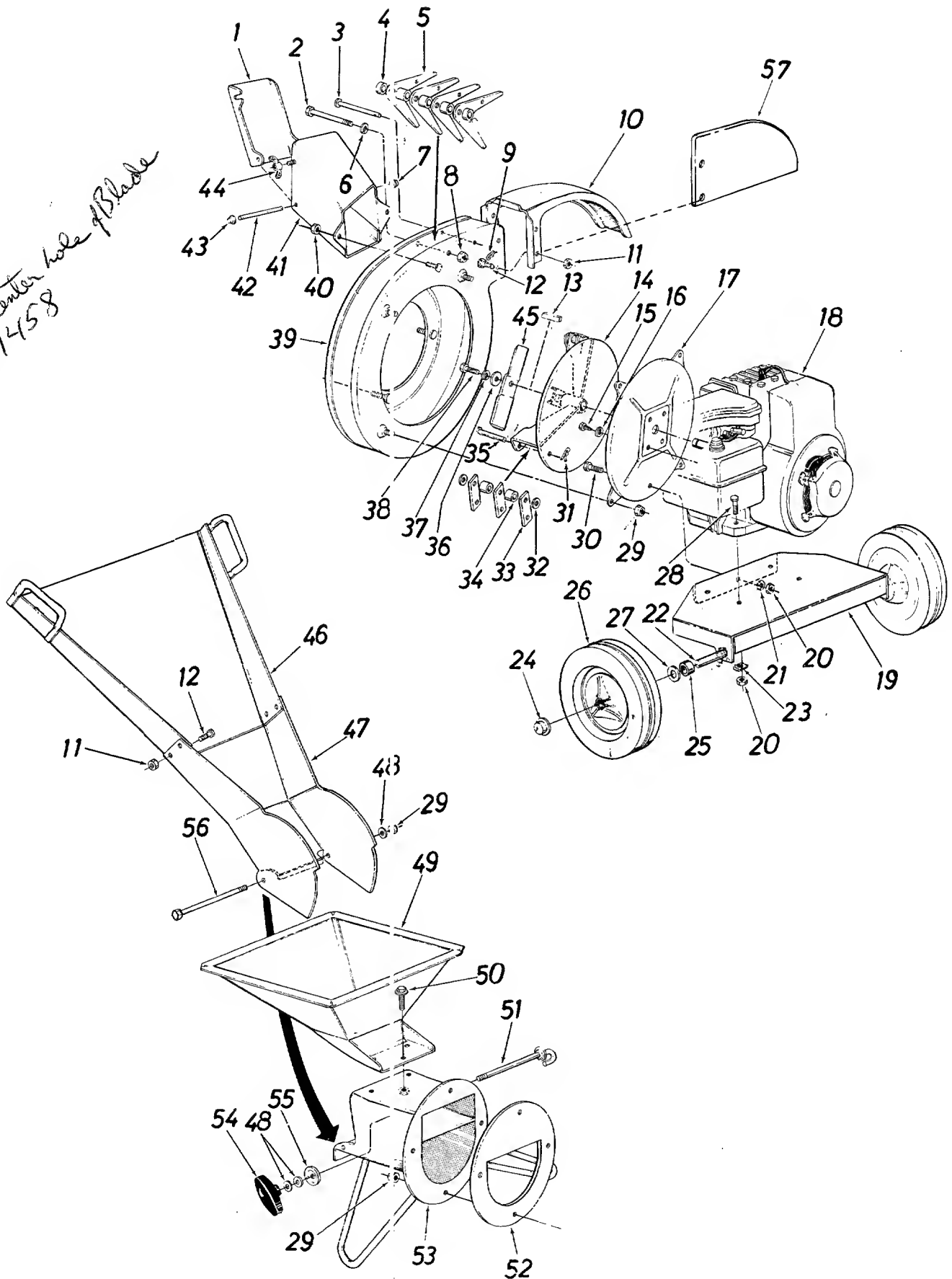


### CAUTION

When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rust proof the equipment. Using a light oil or silicone, coat the equipment, especially all moving parts.

# Model 650

DD center hole of Blade  
P/w 11458



# Model 650

## PARTS LIST FOR MODEL 650 SHREDDER

Ref. No.	Part No.	Color Code	DESCRIPTION	New Part	Ref. No.	Part No.	Color Code	DESCRIPTION	New Part
1	11476		Door Chip It		30	710-0237		Hex Bolt 5/16-24 x .62" Lg.*	
2	710-0465		Hex Bolt 1/2-20 x 4.50" Lg.*		31	714-0144		Cotter Pin 1/8" Dia. x 1.00" Lg.* (Special)	
3	711-0580		Clevis Pin					FI-Wash. .531" I.D. x .937 O.D. x .09	
4	711-0579		Flail Spacer 7/32" Lg.		32	736-0192		Flail	
5	11455		Cutting Finger					Flail Spacer 23/32" Lg.	
6	736-0921		L-Wash. 1/2" Scr.*		33	11459		Clevis Pin .50" Dia. x 3.0" Lg.	
7	726-0111		Palnut 3/16" Dia.		34	711-0564		FI-Wash. .406" I.D. x 1.25" O.D. Hdn.	
8	712-0922		Hex Jam Nut 1/2-20 Thd.*		35	711-0578		L-Wash. 3/8" Scr. H.D.	
9	714-0507		Cotter Pin 3/32" Dia. x 3/4" Lg.*		36	736-0247		Hex Bolt 3/8-24 x 2.00" Lg. H.T.	
10	11465 --- 488		Chute Deflector		37	736-0217		Flail Housing Ass'y. -Comp.	
11	712-0107		L-Nut 1/4-20 Thd.		38	710-0151		Hex Cent. L-Nut 1/4-20 Thd.	
12	710-0289		Hex Bolt 1/4-20 x .50" Lg.*					Upper Guide Extension Ass'y.	
13	714-0114		Sq. Key 1/4" x 2.00" Lg.*		39	14575 --- 488		Hinge Pin	
14	<del>13430</del>		Impeller Assembly <del>801-3430</del>		40	712-0107		Palnut 3/16" Dia.	
15	710-0157		Hex Bolt 5/16-24 x 3/4" Lg.*		41	11477		Wing Nut Elastic 1/4-20 Thd.	
16	736-0119		L-Wash. 5/16" Scr.*		42	11478		Blade	
17	14573		Hopper to Engine Mtg. Plate		43	726-0111		Guide Extension Assembly	
18	-----		Engine		44	712-0109		Guide Extension	
19	11464		Engine Mounting Plate		45	13431		FI-Wash. 5/16" Scr.*	
20	712-0123		Hex Nut 5/16-24 Thd.*		46	11460 --- 488		Hopper Assembly	
21	736-0119		L-Wash. 5/16" Scr.*		47	11472 --- 488		Hex Wash. Hd. Self-Tap Scr. 5/16-18 x .50" Lg.	
22	738-0521		Shaft (650 Only)		48	736-0264		Clamp Rod Assembly	
23	11475		Shaft (24650 Only)		49	11481 --- 488		Back-Up Plate	
24	736-0170		Special L-Wash. 5/16" I.D.		50	710-0601		Inlet Guide Assembly	
25	726-0221		Push Cap					Knob Ass'y.	
26	711-0494		Spacer (650 Only)		51	11479		Stop Washer	
27	734-1056		Wheel Ass'y. - Comp. (650 Only)		52	11454		Hex Bolt 5/16-18 x 8.38" Lg.	
28	734-0879		Wheel Ass'y. - Comp (24650 Only)		53	11467		Deflector Side Plate	
29	741-0262		Wheel Bearing (24650 Only)		54	09966		Bag (Not Shown)	
	736-0100		FI-Wash. .50" I.D.*		55	11480			
	710-0624		Hex Bolt 5/16-24 x 1.50" Lg.*		56	710-0542			
	712-0429		Elastic Stopnut 5/16-18 Thd.		57	15798			
						764-0126			

(615 - Red)

(488 - Mack Truck Yellow)

When ordering parts, if color or finish is important use the appropriate color code shown above (e.g. Mack Truck Yellow Finish—11907 (488).)

\*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

The engine is not under warranty by the shredder manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."



### NOTE

This instruction manual covers various models and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.

# TROUBLE SHOOTING CHART

PROBLEM	CAUSE	REMEDY
1. Material not Shredding.	A. Blade and/or Flails not Sharp.	A. Sharpen or Reverse Blade and Flails.
2. Excessive Vibration	A. Bent Crankshaft.  B. Out of Balance Conditon in Plate Assembly.	A. Replace Crankshaft (should be done by an Authorized Service Dealer).  B. Replace Impeller Assembly.
3. Engine Bogs Down or Stalls.	A. No Gas in Fuel Tank.  B. Feeding Material into the Machine too Quickly.	A. Fill Tank if Empty.  B. Do Not Force Material through Openings, Gradually Feed Material into Openings.
4. Engine Fails to Start.	A. Check Fuel Tank for Gas. B. Spark Plug Lead Wire Disconnected. C. Faulty Spark Plug.	A. Fill Tank if Empty. B. Connect Lead Wire.  C. Spark Should Jump Gap Between Control Electrode and Side Electrode. If Spark does not jump, Replace the Spark Plug.
5. Hard Starting or Loss of Power.	A. Spark Plug Wire Loose.  B. Dirty Air Cleaner.	A. Connect and Tighten Spark Plug Wire.  B. Clean Air Cleaner as Described in Engine Manual.
6. Engine overheats.	A. Carburetor Not Adjusted Properly. B. Air Flow Restricted. C. Engine Oil Level Low.	A. Adjust Carburetor. See Engine Manual. B. Remove Blower Housing and Clean as Described in the Engine Manual. C. Fill Crankcase with the Proper Oil.

NOTE: For repairs beyond the minor adjustments listed above, please contact your local service dealer.

# PARTS INFORMATION

## POWER EQUIPMENT PARTS AND SERVICE

Parts and service are available through the authorized service firms listed below. All orders should specify the model number of your unit, part numbers, description of parts and the quantity of each part required.

**NOTE:** If any parts are found to be missing or defective upon assembly of this unit, write to advise the factory so that immediate replacement can be made.

<b>ALABAMA</b>	<b>BIRMINGHAM</b>	
Auto Electric & Carburetor Co. ....	2625 4th Ave. S. ....	35233
<b>ARKANSAS</b>	<b>NORTH LITTLE ROCK</b>	
Sutton's Lawn Mower Shop ....	5301 Roundtop Drive Box 368, Rt. 4 ....	72117
<b>CALIFORNIA</b>	<b>PORTERVILLE</b>	
Billious ....	75 North D Street ....	93257
<b>COLORADO</b>	<b>DENVER</b>	
Spitzer Industrial Products Co. ....	6601 N. Washington St. ....	80229
<b>FLORIDA</b>	<b>JACKSONVILLE</b>	
Radco Distributors ....	4909 Victor St. Box 5459 ....	32207
	Small Eng. Dist. ....	33054
<b>GEORGIA</b>	<b>EAST POINT</b>	
East Point Cycle & Key ....	2834 Church St. ....	30344
<b>ILLINOIS</b>	<b>LYONS</b>	
Keen Edge Co. ....	8615 Ogden Ave. ....	60534
<b>INDIANA</b>	<b>ELKHART</b>	
Parts & Sales Inc. ....	2101 Industrial Pkwy. ....	46516
<b>IOWA</b>	<b>DUBUQUE</b>	
Power Lawn & Garden Equip. ....	2551 J.F. Kennedy ...	52001
<b>LOUISIANA</b>	<b>MONROE</b>	
Mid-South Power ....	1500 Arkansas St. ....	71201
	Suhren Engine Co. ....	70118
<b>MARYLAND</b>	<b>TAKOMA PARK</b>	
Center Supply Co. ....	6867 New Hampshire Ave. ....	20912
<b>MASSACHUSETTS</b>	<b>SPRINGFIELD</b>	
Morton B. Collins Co. ....	300 Birnie Ave. ....	01107
<b>MICHIGAN</b>	<b>LANSING</b>	
Lorenz Service Co. ....	2500 S. Pennsylvania .	48910
	Power Equipment Dist. ....	48043
<b>MINNESOTA</b>	<b>HOPKINS</b>	
Hance Distributing Inc. ....	420 Excelsior Ave. W. .	55343
<b>MISSISSIPPI</b>	<b>BILOXI</b>	
Biloxi Sales & Service, Inc. ....	506 Caillavet St. ....	39533
<b>MISSOURI</b>	<b>KANSAS CITY</b>	
Automotive Equip. Service ....	3117 Holmes St. ....	64109
	Ross-Frazier Supply Co. ....	64503
	Henzler, Inc. ....	63125
<b>NEW JERSEY</b>	<b>BELLMAWR</b>	
Lawnmower Parts Inc. ....	717 Creek Rd. ....	08030
<b>NEW MEXICO</b>	<b>ALBUQUERQUE</b>	
Spitzer Eng. & Parts ....	1023 Third Ave. N.W. .	87103
<b>NEW YORK</b>	<b>CARTHAGE</b>	
Gamble Dist., Inc. ....	West End Ave. ....	13619
	<b>SCHOHARIE</b>	
Red Fox Parts Dist. ....	Rt. 30 P.O. Box 527 ...	12157

## BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engines—Gasoline**, Briggs & Stratton or Tecumseh Lauson.

<b>NORTH CAROLINA</b>	<b>GOLDSBORO</b>	
Smith Hardware Co. ....	515 N. George St. ....	27530
	<b>GREENSBORO</b>	
Dixie Sales Company ....	335 N. Green ....	27402
<b>OHIO</b>	<b>CARROLL</b>	
Stebe's Mid-State Mower Supply .	Box 366, 71 High St. ...	43112
	<b>CLEVELAND</b>	
Bleckrie, Inc. ....	7900 Lorain Ave. ....	44102
	<b>WADSWORTH</b>	
National Central ....	687 Seville Rd. ....	44281
	<b>YOUNGSTOWN</b>	
Burton Supply Co. ....	1301 Logan Ave. Box 929 ....	44501
<b>OKLAHOMA</b>	<b>MUSKOGEE</b>	
Victory Motors, Inc. ....	605 S. Cherokee ....	74401
<b>OREGON</b>	<b>PORTLAND</b>	
Kenton Supply Co. ....	8216 N. Denver Ave. ...	97217
<b>PENNSYLVANIA</b>	<b>HARRISBURG</b>	
EEOC Inc. ....	4021 N. 6th St. ....	17110
	<b>PHILADELPHIA</b>	
Thompson Rubber Co. ....	5222-24 N. Fifth St. ...	19120
	<b>PITTSBURGH</b>	
Bluemont Co. ....	11125 Frankstown Rd. .	15235
	<b>PUNXSUTAWNEY</b>	
Frank Roberts & Sons ....	R.D. 2 ....	15767
	<b>SCRANTON</b>	
Scranton Auto Ignition Co. ....	1133-35 Wyoming Ave. .	18509
<b>TENNESSEE</b>	<b>KNOXVILLE</b>	
Master Repair Service ....	2000 Western Ave. ....	37927
	<b>MEMPHIS</b>	
American Sales & Service, Inc. .	3035-43 Bellbrook ....	38116
<b>TEXAS</b>	<b>DALLAS</b>	
Marr Brothers, Inc. ....	423 E. Jefferson ....	75203
	<b>FORT WORTH</b>	
Woodson Sales Corp. ....	1702 N. Sylvania ....	76111
	<b>HOUSTON</b>	
Bullard Supply Co. ....	2409 Commerce St. ...	77003
	<b>SAN ANTONIO</b>	
Engine House Inc. ....	8610 Botts Lane P.O. Box 17867 ....	78217
<b>UTAH</b>	<b>SALT LAKE CITY</b>	
A-1 Engine & Mower Co. ....	439 E. 900 So. ....	84111
<b>VIRGINIA</b>	<b>ASHLAND</b>	
RBI Corp. ....	101 Cedar Run Dr. ....	23005
<b>WASHINGTON</b>	<b>SEATTLE</b>	
Bailey's Inc. ....	1414 14th Ave. ....	98122
<b>WISCONSIN</b>	<b>APPLETON</b>	
Automotive Supply Co. ....	123 S. Linwood Ave. P.O. Box 798 ....	54911
	<b>CHILTON</b>	
Horst Dist. ....	444 N. Madison ....	53014

## WARRANTY PARTS AND SERVICE POLICY

(0483)

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

### CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES:

1. Replacement of Missing Parts on new equipment.
2. Replacement of Defective Parts within the warranty period.
3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

1. Model Number of unit involved.
2. Date unit was purchased or first put into service.
3. Date of failure.
4. Nature of failure.